

Formal Lab Checklist

Format

- Title (not too general)
- Typed
- Proofread (spelling, grammar, spacing, etc.)
- Written in 1st person and active voice consistently

Introduction

- Purpose
- Background info given and vocab defined
- Observations from baseline/control run (and impact on lab design)
- Hypothesis (null and alternates)

Materials and Procedure

- List of materials
- Overall summary
- Detailed steps

Results

- Data Tables
- Graph(s)
- Calculations (chi-square analysis)
- Labeled appropriately
- Written summaries underneath each (trends; NOT explanation)

Discussion and Conclusion

- Accept/reject null and WHY (What does this mean?)
- Summary of findings
- Applications to real life
- Sources of error; suggestions for revision